

**FLAME RETARDANT POLYBUTYLENE TEREPHTHALATE-BASED RESIN
COMPOSITION AND PRODUCTION THEREOF**

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Abstract of JP7133412

PURPOSE: To obtain a composition excellent in mechanical properties, heat resistance and hue capable of providing a molding in good moldability and a short time and having high productivity by blending a phosphorus-containing PBT with a brominated polycarbonate, an antimony compound and a nucleating aid. **CONSTITUTION:** This composition is obtained by blending (A) 100 pts.wt. of a polybutylene terephthalate previously blended with a phosphorus compound in a molten state with (B) 5-40 pts.wt. of a brominated polycarbonate, (C) 2-20 pts.wt. of an antimony compound, (D) 0.01-10 pts.wt. of a nucleating aid. The component A is obtained by blending 100 pts.wt. of the resin with 0.0001-1 pts.wt. of phosphorus atom. As the phosphorus compound, triphenylphosphite, etc., is used. The component B is preferably tetrabromobisphenol A. The component C is preferably antimony trioxide. As the component D, talc, calcium phosphate, etc., is used. The mechanical strength of the composition is further improved by adding glass fiber to the composition.

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